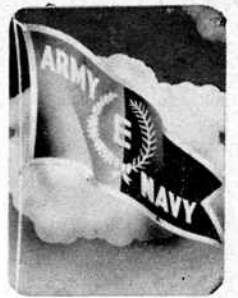




Y-12 BULLETIN

A NEWSPAPER BY AND FOR EMPLOYEES OF CARBIDE AND CARBON CHEMICALS CORPORATION IN Y-12



Volume 2, No. 24

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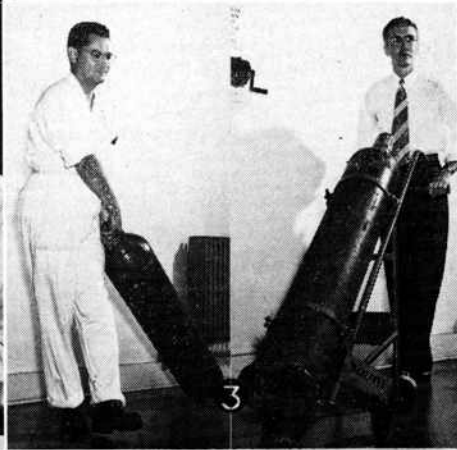
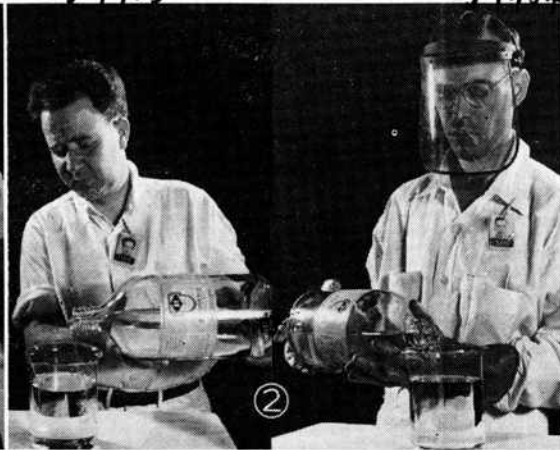
OAK RIDGE, TENNESSEE

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Tuesday, June 15, 1948



BURNS FROM STRONG ACIDS or alkali are painful and dangerous and the method used by Margaret Poore, right in Picture No. 4, is liable to inflict such an accident on her. She had better follow the example of G. H. Clewett, department head, and use the protective bottle carriers. Picture No. 5—"Sucking soda through a pipette" might be all right but poisons, strong acids and alkali should be drawn through a bulb or an aspirator. Reba Justice, left, and Mary Barnes demonstrates the wrong and right method of filling a pipette. 57885



Here are some examples of right and wrong laboratory methods posed by employees in Dept. H12D which they hope may result in more careful operations by other Y-12 employees. Picture No. 1 "Careful, Ruth, that breaker is hot—it is safer to use the tongs to remove boiling solutions from a hot plate." Ruth Draughn at right demonstrates the proper use of tongs and safety glasses. Picture No. 2—Maybe you can chew with false teeth but you can't see with glass eyes so don't take a chance of splashing strong chemicals on the eyes, as S. R. Buxton, left, is liable to do in this method of handling a container. For proper protection in such an operation see how Dave Carpenter, right, uses rubber gloves and a safety shield in correctly doing the job. Picture No. 3—If the valve in this high-pressure gas cylinder should get broken while the container is being wrestled around as shown by A. Roemer at the left, he might be in the rocket business and endanger his fellow employees or at least strain himself. At right K. B. Brown shows how easy it is to properly and easily move such a container by using a dolly.

Continuing

'The Soviet Spies'

Money Not Motive—So Why Did Canadians Betray Own Country

The most sinister aspect of the entire Russian espionage net was its ability to find intelligent and talented persons willing to betray their country. Why? Money seemed a secondary consideration in the minds of pawns in the net. In this chapter of "The Soviet Spies" the motives and political ideology that led to the downfall of the espionage ring in Canada is barred. Every Y-12 employee should carefully read and weigh every word of the stirring account of how Canadian authorities tightened the links of the chain around the persons who so tragically and mistakenly turned traitors to their native land. By recognizing the motives and actions of the spy ring members, it is entirely possible that such actions if ever attempted here could be thwarted before they even get started.

CHAPTER FIVE

During this phase the identity of three of the principal members of Rose's so-called "Montreal Group" was brought to light.

It must be realized that while Gouzenko had chosen the Embassy documents with remarkable skill and judgement, he had never seen a single Canadian agent. He could never point to any person and say: "This is the one called so-and-so in such-and-such a report." Always the investigators had to seek their clues in the documents themselves. They relied on diligence in research.

Zabotin's Notebook Gives Lead

The lead that started them on the trail of the first of the Montreal agents was an extract from Colonel Zabotin's notebook:

Group in Montreal (activists).

Gray: Head of a section of the Directorate for securing war materials for the Allies. He works well gives materials on shells and cannons.

The rest of the file on "Gray" was significantly thick and showed him to be a prolific source of secret reports on projectiles, guns and (Continued on Page 4)

Vacation Pre-pay Procedure Explained

In order to clarify the confusion that might exist concerning vacation payments in advance, the attention of all employees is directed to the Standard Practice Procedure, Number 16B, particularly paragraph 16.4 (a) through (e) which follows:

(a) The Payroll Department prepares and submits to each department a vacation schedule, listing thereon each employee of the department, and showing for each employee his vacation eligibility date based on length of service and the date of his previous vacation.

(b) Each department will work out a vacation schedule for all eligible employees in conformance with the foregoing regulations. In scheduling vacations, preference is given employees with the longest company service. Individual employees should be informed of their respective dates of vacation at as early a date as possible.

(c) Vacation payments in advance for non-exempt employees will be made by the Paymaster on the employee's regular pay day. (Continued on Page 4)

Ridge Bus Fare Increases Become Effective July 1

Increases in bus fares for Oak Ridge will become effective July 1, it has been announced jointly by the Atomic Energy Commission and the American Industrial Transit, Inc. New fares on express buses will be 15c, and 10c for all residential buses. However, a person may take a residential bus, pay the 10c fare, and transfer to a work bus at either the Central or Jefferson terminals at no extra cost. But a transfer from a residential bus to an express bus will cost an extra 5c.

Chemical Research Official Appointed

The election of Dr. George O. Curme, Jr. as Vice-President of chemical research of Union Carbide and Carbon Corporation is announced by Fred H. Haggerson, President. Dr. Curme has been for many years a Vice-President and Director of Bakelite Corporation, and Carbide and Carbon Chemicals Corporation, both large units of Union Carbide.

Dr. Curme is a pioneer in the American organic chemical industry. He was the first to develop the chemistry of aliphatic compounds in the United States. His research work on acetylene at the Mellon Institute of Industrial Research, Pittsburgh, from 1914 to 1919, resulted in the formation in 1920, of Carbide and Carbon Chemicals Corporation. During subsequent years Dr. Curme has witnessed the commercial output of his research findings expand to an annual production of over 9 billion pounds. These products include synthetic ethyl alcohol, ethylene glycol, acetic anhydride, vinyl plastics, and some 200 other aliphatic chemicals.

Dr. Curme has been the recipient of many medals in recognition of his achievements in chemistry. He received the Chandler Medal from Columbia University in 1933, the Perkins Medal, awarded by the Society of the Chemical Industry in 1935; the Elliott Cresson Medal from Franklin Institute in 1936; the National Modern Pioneer Award from the National Association of Manufacturers in 1940; and the Willard Gibbs Medal from the American Chemical Society in 1944.

Dr. Curme, a resident of White Plains, N. Y., is an active member of the American Chemical Society, the American Institute of Chemical Engineers, the American Association for the Advancement of Science, the Society of Chemical Industry, the Societe de Chimie Industrielle, and the Chemists (Continued on Page 4)



Dr. George O. Curme, Jr.

Safety Program Adoption Means Minimum Risks

Working with volatile liquids and fragile glassware in any laboratory presents many working hazards which may result in accidents—but down in Dept. H12D where numerous Y-12 chemists prepare many mixtures, a sensible safety program has been adopted to cut such occupational mishaps to a minimum.

This program, based on case histories of employees who actually have been injured through either carelessness or lack of consideration of the hazards involved in their operations, is steadily reducing the accident rate among the laboratory workers in the department.

Departmental Supervision, closely cooperating with the Safety Section has guided the H12D safety program with the objective of eliminating hazards which might cause accidents resulting in painful and serious injuries to laboratory employees.

In its safety code, Dept. H12D places first, the plant-wide rule, that any employee suffering injury of any kind, whether through cuts from broken glass or chemical burns, report immediately to the Y-12 Dispensary for treatment. Of course, if the injuries incurred require emergency first aid treatment before the victim can be safely moved, such treatment is available from the employees in the department who have been trained in first aid through the Plant Emergency Plan. Then the injured employee is taken to the Dispensary for treatment.

All Dept. H12D employees are schooled in standard laboratory procedures and instructions pertaining to safe operations on the job. These instructions are based on the principle that the safety of each employee generally will be affected by one of four factors—equipment or machines, methods, materials and himself. The laboratory employees are told that if the equipment or machines are in order, the method used is that prescribed for the assignment, and the materials are correct, then the chances for accidents are greatly reduced.

Use of protective equipment provided in the laboratory is a "must" on the safety program and the war on carelessness is constantly waged. Good housekeeping also is stressed with all employees being instructed to clean up all spills at once, with especial care being given to inflammable substances.

In case accidents do occur, all employees know the location of all emergency exits and the location of protective and fire fighting equipment.

As a result of this program and adherence to it by employees in Dept. H12D, the accident rate of the department compares favorably with any group in the plant and the efficiency of the employees, collectively and individually, is increased.

Carbide Wives Meet Tomorrow

Wives of Carbide employees in Y-12 have been cordially invited to attend the regular monthly meeting of the Carbide wives in the East Lounge of the Ridge Recreation Hall at 7:30 p.m. tomorrow night. Bridge and rummy will be played. Hostesses will be Mrs. W. B. Logan, chairman, Mrs. Stuart Miller, Mrs. William Penn, Mrs. B. M. Thornton, Mrs. Towell Ware and Mrs. Arthur Snyder.

Y-12 Bulletin

Published Weekly By
Carbide And Carbon Chemicals
Corporation
Post Office Box P
Oak Ridge Tenn.
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Winner of the Carbide Camera Club's childrens black and white print contest was Foster Calloway, Dept. H12E. The subject is his two year old daughter, Ann. Second and third places went to Don Ross and Nat Stetson, both of Dept. H12E.

Competition was very keen and the number of entries was the largest entered so far in the club's contests. E. C. Scienknecht, Y-12 Photographic Dept., judged the entries at the clubs meeting on June 8.

Carbide Camera Club Holds Color Slide Competition

The Carbide Camera Club contest for color slides, featuring architecture, is now open and deadline for these entries will be July 6. The rules covering the slide entries are: the slides are acceptable in two by two inches or two and one-quarter by three and one-quarter inch size with the transparency age being less than one year. The limit on entries is four per person.

The next Camera Club will be on July 13, at 7:30 p. m. at the clubs headquarters in the Y-12 East Portal.

An Eastman Kodak lecture entitled "The Paper Negative Process" will be given by a club member and will be followed by criticism of the color slide entries in the contest.

All entries may be left at Taylor's Photo Shop or at the home of Virgil Haynes, 114 East Holston Lane, chairman of the club's program committee.



Two births were reported to Y-12 families at the Oak Ridge Hospital last week. Parents were Mr. and Mrs. Fred Marble, a daughter, June 7; Mr. and Mrs. James A. McLain, a son, June 9.

Hospital List

The following Y-12 employees were patients at the Oak Ridge Hospital last week: Raymond E. Millon, Dept. A13N; Betty Jane Sherman, Dept. B12L; David C. Shepard, Dept. A14J; Alvin K. Bissell, Dept. B13C; Mary Sue Williams, Dept. A12A; Reba M. Justice, Dept. H12D; Mollie J. Akers, Dept. A17N; Fremant K. Bird, Dept. A12G; Helen S. Saylor, Dept. B12L; Albert B. Campbell, Dept. M13P; Charles B. Johnson, Dept. H12L.

There is far more hunger for love and appreciation in this world than there is hunger for bread.



J. H. Conner, Dept. A12G, and his family motored through the smokies sight seeing recently and enjoyed the rhododendrons . . . Archie 'Shorty' Rogers, who originally hails from Massachusetts, bought a farm on the suburb of Knoxville recently and says it's just the life—where he can have fresh milk and butter and fresh eggs . . . J. H. Russell is on a two weeks vacation.

Dept. A12M welcomes Irene Turner into the department.

Richard Mustin, Dept. M13P, returned to work Monday after a week vacation spent in Rogersville, Tenn. . . . Fred Guttery has as guest his mother, Mrs. W. B. Guttery from Alabama . . . W. H. Hoose is spending his vacation touring the Adirondack Mountains and points of interest in Canada.

Dave Griffith, Dept. A12S, intends to catch up on his fishing during a two week vacation which started Monday . . . Mary Margaret Norton and Margaret Johnson went away down in the deep South for their vacations this week and ended up at Daytona Beach, Fla. After making Daytona their main objective is getting a sun tan, we hope they don't get too tan . . . Geneva Carder is spending a two week vacation with her parents in Harrogate, Tenn. . . . D. A. Karrakar with his family and some friends from Illinois did a lot of traveling last week. After visiting some of the historical spots in Virginia, the party continued their travels to Washington, D. C. where they took a sight seeing tour of the city. On the return they came through North Carolina, ending their vacation at the Karrakar's home in Harriman . . . P. I. Fawver returned to work Monday after a two week vacation. E. M. Whitaker is on a two week vacation.

Grace Tramel, Dept. A14N, vacationed at her home in Smithville, Tenn., last week . . . W. M. Akers is on a two week vacation . . . R. A. Francis returned to work Monday after a week vacation . . . F. A. Watson, W. S. Carruthers and Frank Darby ventured up to Norris Lake June 8, after completing a days work at Y-12, where they tested their skill in catching fish. With luck coming only to Watson, who recently caught that bream which he estimated weighed 5 pounds, he came up with a new record. After having two crappies hanging from the side of the boat Watson threw his hook in the lake again and received another strike. Upon pulling in the fish he found that one of the eager beavers on the stringer had swallowed the hook again, but up to this date it can not be verified by Caruther and Darby . . . I. H. Hall and W. H. Ward with their families motored to Ashville, N. C. during a recent week end to visit relatives . . . C. O. Jones and his family visited relatives in Nashville during a recent week end.

E. E. Kennedy, Dept. A16N, with his family spent a recent week end in Bristol, Va. with friends and relatives . . . Virginia Ogg is spending a two week vacation with her parents in Mayfield, Ky.

Fletcher Daley, Dept. H-12D, motored to Atlanta recently to pick up his family who have been vacationing with relatives . . . The department welcomes Dr. L. G. Overholser into the department . . . Mary Barnes has returned to work after a week vacation spent with her sister in Wisconsin . . . Paul Blakely and his family are spending a two week vacation at Cumberland Fall State Park in Kentucky . . . J. C. Harvill vacationed with his parents in Rogersville, Tenn. last week.

W. J. Wilcox, Jr., Dept. B12L, and his wife Eugenia, Dept. A13J, returned to work Monday after a week vacation spent at Myrtle Beach, S. C.

Dept. A12A extends sympathy to James D. Martin whose father died June 2 at South Pittsburg, Tenn. Get well wishes are extended to W. T. McNamara, Dept. A12N, who is in Fort Sanders Hospital, Knoxville, recovering from an operation . . . Come on Folks! You can now get a special driver's permit right here in Y-12. J. C.

Bresnahan has just received his license for back-seat driving. So, for more information just contact Bresnahan. He seems to be the first one to qualify.

NASHVILLE, June 9 — (Spl.) —Vanderbilt Hospital here today reported that the long-awaited throat cutting on George W. Dobbs, editor of The Y-12 Bulletin was a complete success — so we are listening for a brand new voice. Jimmy McLain, Dept. A13N, is a proud father of an 8 pound boy, Micheal James, born June 9. Congratulations are sent by the Division.

Paul C. Ziemke of the Safety Dept. A13J, and Mrs. Ziemke motored northward for a trip into Canada at Windsor, Ontario during a two week vacation. On the return trip they stopped at Defiance College to call on their sons, Donald and Myron, and daughter, Ruth. Ruth returned to Oak Ridge with her parents for the summer vacation period.

Dept. A15N sends congratulations to Fred Marbles, the proud parents of a new daughter, Joyce Elaine . . . Robert D. Smiddie and family had as recent week end guest, Robert's nephew and wife, Mr. and Mrs. Sam Scott of Benham, Ky. . . . A. C. Swicegood and family enjoyed a picnic at Big Ridge Park recently and on the way home stopped at C. O. Slover's who owns a chicken farm. Seeing those big handsome friers on foot was too much for the Swicegood family and it didn't take much persuading from the Slovers to get Swicegood and his family to stay for a big chicken dinner . . . C. E. Dalton and C. L. Taylor returned to work Monday after a week vacation . . . John L. Kennedy, Dept. A15N, and his wife, Mozelle, Dept. A12L, returned to work on Monday after a week vacation spent at Mozelle's home town, Wichita Fall, Texas.

Vern Peckman, Dept. A12R, spent last week vacationing in Gatlinburg, Tenn.

Reported Vacationer in Maintenance Dept. A17N are A. P. Hooker who is spending a two week vacation at Lake Winipeg, located in the northern part of Minn. — trying his luck at fishing . . . Harold Miller is vacation at his home in Columbus, Ohio . . . E. S. Dean is vacationing in Arkansas this week. A. M. Kerksey vacationed in Oak Ridge, last week . . . H. C. Gardner has returned from a two week vacation spent in the wilds of Roane Mountain located near Elizabethton, Tenn. . . . J. S. Dunlap and C. P. Renner returned from a two week vacation spent in Nashville . . . Ernest Lawson returned to work Monday after a week vacation . . . S. G. Fouts is spending a two week vacation touring through the smokies.

Dept. A12W sends a speedy recovery to A. S. Preston who is ill in Knoxville . . . Harold Payne started a two week vacation this week. His plans are to spend the whole vacation at Daytona Beach, Fla. and just take life as it comes. B. M. Kuperstock spent last week vacation in Oak Ridge . . . H. G. Amerine, Blanche Carder and W. E. Cary were on vacation last week.

Happenings in Dept. B12H, Groups No. 3 . . . Lera Doss had as recent week end guest her parents, Mr. and Mrs. W. D. Stone from West Morland, Tenn. . . . C. C. Martin had as week-end guest recently his parents, Mr. and Mrs. I. H. Martin from Dixon, Ill. . . . The department welcomes Zola Marlar into the department . . . Group No. 2 employees and their families enjoyed a weiner roast June 6 at the picnic grounds behind The-Chapel-on-the-Hill . . .

Happenings in Laundry Dept. A10N . . . Lillian Hamlet had as recent week end guest, Mr. and Mrs. M. G. Lambert from Tazewell, Tenn. . . . Nancy Case is spending a two week vacation visiting her sister in Alabama.

O. B. Rudolph, Dept. H12L, is spending a two week vacation with relatives in Paducah, Ky. C. V. Ketron and his wife spent a recent week end with Mrs. Ketron's mother, Mrs. Earl Rogers from Frankfort, Ky. Mrs. Rogers returned with



Y-12 Photos By Vince Moore

DOROTHY JONES, DEPT. B12H, WHO WAS MARRIED SATURDAY, June 12, was honoree Thursday, May 27, at a shower given by Mary Deadmore and Aline George, fellow employees in Y-12, at their apartment. Pictured above at the event, standing from left are Verney Sharp, Juanita Fox, Leona Doss, Lee King, Mabel Thompson and Edna Rhea. Seated are Naomi Brummett, Jean Tomie, Elizabeth Harris, Aline George, Dorothy Jones and Mary Deadmore. All of the guests are Y-12 employees.

Bad Sunburns Serious Dr. Scofield Advises

A bad sunburn might easily prove to be a sunstroke or the two may even occur simultaneously and proper attention must be given as early as possible, according to Dr. Paul Scofield, medical director of Y-12.

Sunstroke is a sudden attack of illness from prolonged exposure to the direct rays of the sun or to other high temperatures, particularly of those engaged in hard labor in confined quarters. It may occur without direct exposure to the rays of the sun.

The attack is sudden and the patient becomes unconscious rapidly. Unconsciousness may be preceded by intense headache and dizziness. The face is red and flushed. The skin is hot and dry, with perspiration absent. The pulse is slow and full or may even be bounding in character. Breathing is labored and of a snoring size.

Owing to the excessive body temperature, treatment centers around reducing the high temperature as quickly as possible. Remove the patient to a cool place on a level surface, elevating the head by placing a pad under the shoulders and head to reduce the flow of blood to the brain.

Take off as much clothing as necessary and apply cold applications to the body and head. The patient can be wrapped in a sheet kept wet with cold water or placed in a cold bath. If ice is available, the body can be rubbed with it and an ice cap placed on the head.

Rub the patients limbs continuously to promote circulation and prevent shock. Continue cold applications until consciousness returns or until body temperature returns to normal. Watch for signs of physical shock as the temperature drops. If physical shock occurs, stimulants should be given.

When the patient is conscious, give him all the cool water he desires. Give no stimulant unless shock occurs. If the skin becomes dry and hot again, renew the cold applications.

the Ketrons for a visit in Oak Ridge . . . H. E. Penland and his family spent a recent week end in Morristown, Tenn.

Earline Elder and Polly Costain, of dept M12P and Ethol Bow and Mary Carson of Dept. M13P motored to Gunersville, Dam, Ala. over the week end and tried their luck at fishing . . . George Evans, Dept. M12P is spending a two week vacation getting acquainted with his new daughter who was born last week . . . Harry Hilbert has returned from a week vacation spent in Jonesboro, Tenn. . . . Florence Archer is vacationing in Virginia.

H. C. McBirney, Dept. B12A, attended the American Society of Mechanical Engineering at Milwaukee, Wis. May 31 through June 4.

Kenneth Brown, Dept. A13S, has returned from a vacation spent in Florida.

New Leaders Appear In Attendance Marks

A new leader appeared in the plant attendance records for the week ending June 3 when Dept. H12E Process Development, reported a perfect figure which put it at the top of the major league standings. The four-place jump by Dept. H12E, displaced last week's leader, Dept. H12L, Isotope Development; but the latter department came through with another good record which attained second position occupancy.

However, greatest improvement shown for the week in the major league standings was achieved by Dept. A14J, Fire Department, when its third place occupancy for this week represented an advancement of 12 steps from last week's thirteenth place.

The minor league again showed six departments with perfect attendance records for the week ending June 3 when three of them repeated last week's performance. Repeating perfect records for the second straight week were Dept. A12J, Industrial Relations; Dept. A13S, Tool Department; and Dept. A12L, Employment. Newcomers for this week to the list of minor league departments showing perfect attendance for the week ending June 3, were Dept. A12N, General Maintenance; Dept. A12R, Cafeteria and Canteens; and Dept. B13C, Materials Control.

The plant average for the week ending June 3 of 2.2 per cent was a .1 per cent improvement over the preceding week. The record for the week ending June 3, by departments, follows:

| Dept. | MAJOR LEAGUE More than 50 Employees | | Standing |
|-------|----------------------------------------|--------|----------|
| | Percentage | Absent | |
| H12E | 100 | 0 | 1 |
| H12L | 96.6 | 3.4 | 2 |
| A14J | 93.3 | 6.7 | 3 |
| A12G | 91.7 | 8.3 | 4 |
| A14N | 91.7 | 8.3 | 5 |
| B12C | 91.7 | 8.3 | 6 |
| A17N | 91.7 | 8.3 | 7 |
| A12S | 91.7 | 8.3 | 8 |
| B12H | 91.7 | 8.3 | 9 |
| A12W | 91.7 | 8.3 | 10 |
| A16N | 91.7 | 8.3 | 11 |
| M12P | 91.7 | 8.3 | 12 |
| B12L | 91.7 | 8.3 | 13 |
| H12D | 91.7 | 8.3 | 14 |
| A13N | 91.7 | 8.3 | 15 |
| A12M | 91.7 | 8.3 | 16 |
| B12L | 91.7 | 8.3 | 17 |

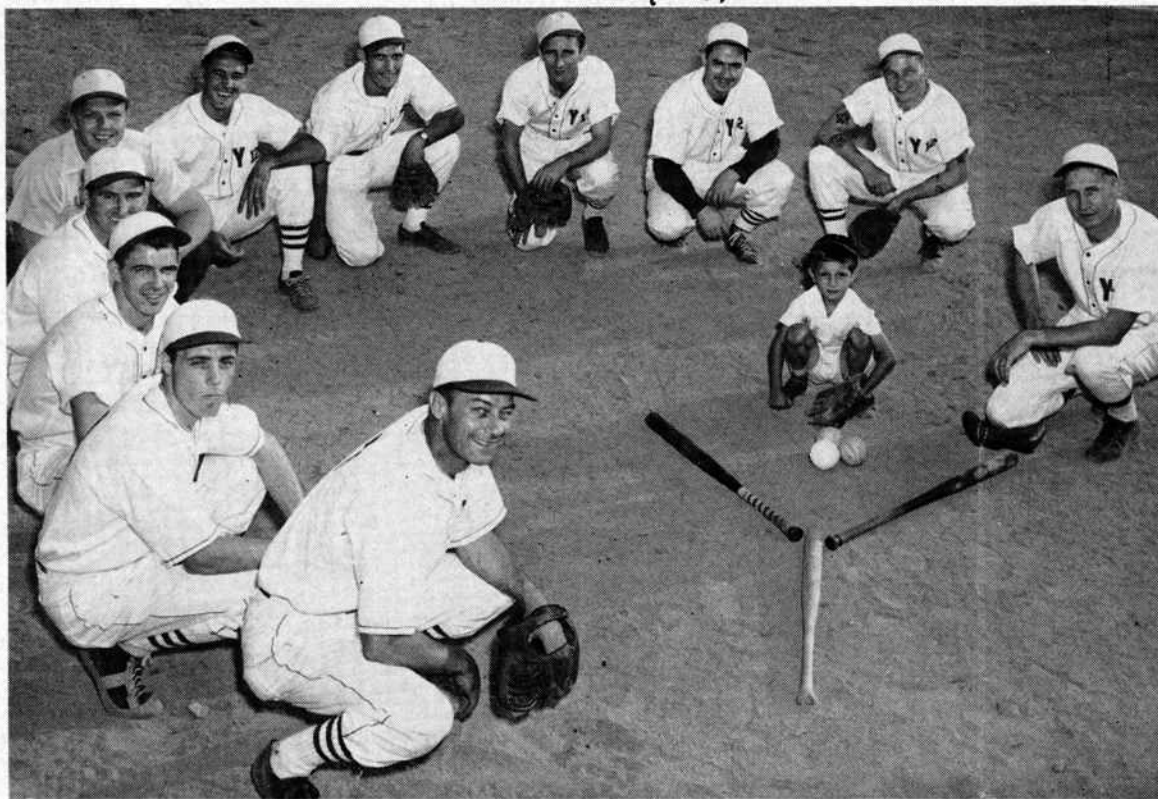
Group absentee percentage was 2.1 per cent, .2 per cent lower than the preceding week.

Department B13L was omitted due to the fact that no absentee reports were received during the week ending June 6, 1948.

| Dept. | MINOR LEAGUE 15-49 Employees | | Standing |
|-------|---------------------------------|--------|----------|
| | Percentage | Absent | |
| A12J | 100 | 0 | 1 |
| A13S | 100 | 0 | 1 |
| A12L | 100 | 0 | 1 |
| A12N | 100 | 0 | 1 |
| A12R | 100 | 0 | 1 |
| B13C | 100 | 0 | 1 |
| B12A | 100 | 0 | 1 |
| A12D | 100 | 0 | 1 |
| A12T | 100 | 0 | 1 |
| A13T | 100 | 0 | 1 |
| A15N | 100 | 0 | 1 |
| A19N | 100 | 0 | 1 |
| M12S | 100 | 0 | 1 |
| M13P | 100 | 0 | 1 |
| A12A | 100 | 0 | 1 |

Group absentee percentage was 2.4 per cent, .4 per cent higher than the preceding week.

The plant average for the week ending June 6, 1948, was 2.2 per cent, .1 per cent lower than the preceding week.



Y-12 Photos By Vince Moore

THE Y-12 SOFTBALL RECREATION TEAM, SHOWN IN THEIR NEW UNIFORMS, are determined to bring home the bacon under the leadership of veteran manager, Roy Roberts. Pictured from left to right, Henry Krouse, Dept. A14J; George Burney, Dept. H12D; John Sewell, Dept. B12H; Bill McGill, Dept. A14J; A. B. Campbell, Dept. M13P; Bill Stanton, Dept. A15J; Emmett Moore, Dept. A14J; Bill Wright, Dept. M13P; Jack McLendon, Dept. B12A; Paul Braden, Dept. B12C; Roy Roberts, Dept. M12P, and in the center is the team's mascot, Mike Moore, age five, son of Emmett Moore. Not pictured are Richard Dew, Dept. A16N; Ed Sise, Dept. A16N; John Webb, Dept. A14J, and George McPherson, Dept. A12G.



Y-12 Photos By Vince Moore

THE GUARD DEPARTMENT'S SOFTBALLERS AIM AT THE Loop's top spot. Initial setback in the Plant Softball League opener with the Fire Department failed to dim the spirit of the Guards. Back row, left to right, are Coach Bellamy, Parson, Blankenship, Vance, Pitcher Remine, Rogers, Thomas, Cantrell, McPherson and Manager Seagle. In the front row are Turner, Hunnicut, Hall, Scott, Shoemaker, Allison and Sparks.

Plant Softball Loop Leaders In Crucial Games This Week

Maintenance and the Bird Cagers, both knotted in a first place tie in the Plant Softball League, each with six won against a single loss, take on worthy foes this week in contests which may well decide the first half championship. Bird Cager's real test comes at 6 o'clock, tomorrow night at Jefferson Field, when they meet the up-and-coming Guards. Maintenance's crucial game occurs at 8:30 o'clock Thursday

night, Administration Field, in a clash with the third place Calutrons who are only a game and a half behind the league leaders.

Bums surprised Maintenance in the first game played last Thursday night at Administration Field in holding the tied league leaders to a 9 to 4 score. Hatmaker bested Francis on the mound for the Bums. Thurman led Maintenance batting, getting three in three attempts. Dugnay and Anderson, each with twin hits, split honors for the Bums. A battle-royal was fought in the second game Thursday night which resulted in a 7 to 6 victory for the Bird Cagers over the Calutrons. The Cals forged ahead in the last half of the fifth on a three-run rally but the Cagers came back in the first half of the next inning with two runs which ended further scoring and put the game on ice. Each pitcher, Ed Sise, winner, and Don Ross, loser, allowed eight hits. Bill Cottrell led the winners with two hits, and Price and Barker, also with two apiece, led the Cals. An uprising by the Dreamers threatened the Isotopes who finally won a slugging contest by a score of 27 to 17. Killian outlasted Matlock on the mound, but neither was effective as the 27 to 13 hits showed. Crabtree paced the Isotope slugging, getting four, while Stokely's hits led the Dreamer's batting.

A one-run lead by the Calutrons going into the seventh on a score of 7-6, became a runaway when the Cals blasted out enough hits to manufacture five runs and defeat the Bldg. 9212 boys by a score of 12 to 6 last Wednesday night at the Administration Field. The hits were 12 for the Cals and 11 for Bldg. 9212, while the winning picture was Don Ross, and the loser, Ralph Ford. Raymond Murray blasted out two homers for the Cals, while Bill Wright with two singles and a double, led the 9212ers.

A run parade by the Bird Cagers in the second Wednesday night game resulted in a 18 to 2 victory by the Cagers over the Dreamers. The Cagers started pitcher W. F. Fowler but relieved him in the first with Ed Sise when he could not gain control. Sky Barker hit a roundtripper for the Cagers, while teammate Ira Shotts garnered a trio of singles and one circuit clout. Walker and Matlock split mound duties for the Dreamers. S. B. Dawson, with two one-base singles, led the Dreamer batting. In a free-hitting contest, the All-Stars won out 17 to 11 over the Bums as hurler Ted Higgins bested Luther Walton on the mound in last Wednesday night's finale. Higgins also headed the batting for his side, with twin singles and a homer, while teammates Paul Griffin cracked out three singles. Archie Palmer walloped a triple and homer for the Bums and teammate Wayne Rogers garnered a trio of singles.

Speak kind words and you will hear kind echoes.

Plant Softball Schedule, Standings, Results

THIS WEEK'S SCHEDULE

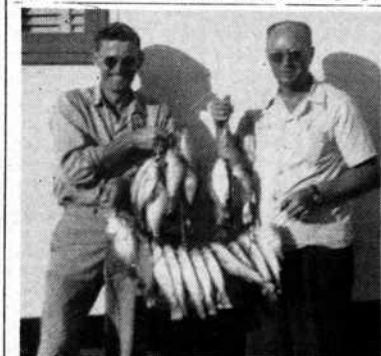
Tuesday, June 15—Administration Field, Dreamers vs Fire Department at 5:30 p.m.; Bldg. 9212 vs Isotopes at 7 p.m.; and Wolves vs Guards at 8:30 p.m.
Wednesday, June 16—Jefferson Field, All Stars vs Isotopes at 6 p.m.; Guards vs Bird Cagers at 6 p.m.
Thursday, June 17—Administration Field, Bums vs One-91 at 5:30 p.m.; Bldg. 9212 vs Wolves at 7 p.m.; and Maintenance vs Calutrons at 8:30 p.m.
Friday, June 18—Administration Field, Dreamers vs Maintenance at 5:30 p.m.; Wolves vs Bums at 7 p.m.; Calutrons vs One-91 at 8:30 p.m.
Monday, June 21—Jefferson Field, Bldg. 9212 vs Bird Cagers at 6 p.m.; All Stars vs Guards at 6 p.m.

LEAGUE STANDING

| Team | W | L | Team | W | L |
|-------------|---|---|------------|---|---|
| Maintenance | 6 | 1 | Guards | 4 | 2 |
| Bird Cagers | 6 | 1 | Wolves | 3 | 3 |
| Calutrons | 6 | 3 | Bldg. 9212 | 3 | 3 |
| Isotopes | 5 | 3 | One-91 | 0 | 6 |
| All-Stars | 5 | 3 | Dreamers | 0 | 6 |
| Fire Dept. | 4 | 2 | Bums | 0 | 8 |

RESULTS THROUGH JUNE 10

| Team | W | L | R | H | E |
|-------------|----|---|---|----|----|
| Isotopes | 12 | 0 | 5 | 42 | 20 |
| Dreamers | 0 | 3 | 1 | 20 | 11 |
| Bird Cagers | 3 | 0 | 1 | 0 | 7 |
| Calutrons | 2 | 0 | 0 | 1 | 0 |
| Maintenance | 0 | 2 | 2 | 4 | 0 |
| Bums | 0 | 0 | 2 | 0 | 1 |
| Calutrons | 1 | 2 | 0 | 2 | 5 |
| 9212 | 1 | 0 | 0 | 3 | 2 |
| Bird Cagers | 1 | 8 | 0 | 6 | 3 |
| Dreamers | 2 | 1 | 0 | 0 | 1 |
| All Stars | 3 | 4 | 3 | 1 | 2 |
| Bums | 0 | 1 | 1 | 0 | 1 |
| Fire Dept. | 5 | 0 | 0 | 3 | 0 |
| Wolves | 0 | 0 | 0 | 0 | 0 |
| Calutrons | 3 | 0 | 1 | 6 | 10 |
| All Stars | 0 | 0 | 0 | 0 | 0 |
| Guards | 4 | 0 | 1 | 2 | 4 |
| One 91 | 0 | 1 | 2 | 1 | 0 |



45 CRAPPIES in less than two hours. That's the tale told by Bob Martin at left and H. J. Finger, both of Dept. A17N. The spot was at Harrison Dock on Watts Bar Lake over the Memorial Day week end.

DON'T COMPLAIN SO

There are no complaints from Bob Johnson, a Coeur D'Alene, Idaho, student at Gonzaga University in Spokane who had previously griped about not receiving any mail.

His friends heard him and began clipping coupons from magazines. Johnson was swamped with advertisements for pre-fabricated houses and muscle-building courses. Letters came acknowledging his enrollment for banjo lessons, study of hotel management, learn Norwegian and take lessons in making Eskimo "snuggies."

SPORTS NEWS IN Y-12

Cards Fall After Leading Stores For Six Innings

If nature had taken a hand and stopped the Y-12 versus Community Stores baseball game at the end of the sixth inning by a down pour of rain, or a mild hurricane last Wednesday night at Oakwood Park, the Cardinals would have won by a score of 4 to 3 and captured their first victory in the Municipal Baseball League. But what did happen in the unlucky seventh was all to Y-12's disadvantage as the Stores nine became the beneficiary of five runs as a result of two Cardinal errors, two walks and three hits. The final score was Community Stores nine runs and Y-12 four.

Manager Arnold Tiller's Cardinals have two chances this week to get into the winning column as they meet the AEC Patrol boys at 8 o'clock tonight at Oakwood Park and the Oak Ridge National Laboratory Nationals Thursday night, same starting time and at the same place.

Fred Kappelman continued to add to his mounting strike-out record in whiffing six Community Stores batters in last Wednesday night's game, and would become a winning picture if afforded better support. Cardinal Catcher, Bill Dodson, led Y-12 batters, banging out a single and a triple in three times at bat.

Y-12 Robusters Shut Out R-A Softies

The Y-12 Robusters shut-out the Roane-Anderson club 6-0 on June 7, to top the second place in the city recreation league standing. Led by the stellar hurling of Ed Sise, it was Y-12 all the way. Sise struck out four lads from Roane-Anderson and allowed no walks.

Brinkman pitched for Roane-Anderson, striking out one man and allowed no walks. Heavy on the batting end for Y-12 was McPherson, who was up three times and got one single, a double and a home run in the third inning. Burney also starred for the locals with three singles from three trips to the plate.

The Y-12 softball team played the boys from Grants Quick Lunch stand on June 14. No other games are scheduled for this week.

Robins Drop Tight Softballer To R-As



THESE TWO WHOPPERS,

both blue cats, also seven crappies, and one bass denotes the fishing ability of Hugh Lemons, Dept. A16N at left and George Ferrell, both of Dept. A16N. The catch was made at Douglas Lake on June 6.

Y-12 Tops Women's Net Loop; Men Joust Twice This Week

The Y-12 women's tennis team was leading the city league with 19 wins against five losses as of June 9 when the Roane-Anderson girls team lost by default to the Y-12 team. The game ended the first half for Captain Virginia Spivey and her Y-12 netters.

Captain Mel Wallis and his Y-12 netmen play two games this week after a weeks layoff. They are scheduled to meet the boys from Oak Ridge National Laboratory on Tuesday, June 15, and then engage the Atomic Energy Commission net stars on June 17. Both matches are scheduled to start at 5:30 p. m. and will be played at the Jefferson Courts.

Disabled Vets To Organize

All disabled veterans or those with the order of the purple heart, interested in joining the Oak Ridge Chapter of Disabled Veterans, should contact W. R. Morgan at 4-9235 between 8 a. m. and 5 p. m.

FRANK O'KANE, who formerly worked at Y-12, has taken over a new business enterprise in Oak Ridge. Frank will manage a chain of small restaurants, similar to the Toddle House operation, here in the community.

Robins Drop Tight Softballer To R-As

The Y-12 Robins lost a heart-breaker to the Roane-Anderson girls softball team on June 4. Marian Brown tossed for the Y-12 lassies and was relieved by Helen Brown, no relation, in the 5th. Jean Lynch led the hitting for Y-12 with a single and a double. She had two walks to her credit.

Helen Aikman was the winning pitcher for Roane-Anderson. Myrtle Buckley hit a home run in the fourth for Roane-Anderson, locking the score at 1-1. Y-12 took the lead in the sixth to the tune of 3-1. Then in the bottom of the sixth, Imogene Harwell smacked a home run for Roane-Anderson putting them out in front 4-3.

In the top of the seventh, the girls from Y-12 tied the game up again at 4-4. Pat Roberts let go with a triple in the bottom of the seventh for Roane-Anderson and the next girl up, Dorothy Randolph drove in the winning run from third, ending the game at 5-4.

Y-12 chalked up four runs, five hits and one error to five runs, ten hits and four errors for Roane-Anderson.

On Monday night, June 7, the Y-12 Robins won by default from the Oak Ridge National Laboratory girls softball team. Only seven girls from the Lab team turned out. So after the 15 minutes grace period, the game was called in favor of the girls from Y-12.

As of June 10, the Y-12 girls were holding down the number three slot in the city softball league with one win and three losses.

The Robins played K-25 on June 11, at Pinewood Field, the Roane-Anderson club again on June 14, at Midtown. The next game on the hook for the Y-12 gals will be on Friday night, June 18, at Pinewood Field, when they will meet the girls from the Oak Ridge National Laboratory.

THE QUESTION IS

James D. Morton of Berkeley, Calif., was explaining to the judge why he hadn't paid an \$8 traffic fine.

He told the judge that he gave his wife the \$8 to pay the fine and she used it as a down payment toward a divorce. The judge allowed Morton to pay another fine without any additional assessments.

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Chapter Five Of 'The Soviet Spies' Reveals Why Money Was No Consideration To Traitors

(Continued From Page 1)

explosives. Inspector Leopold found his best clues in two documents. The first was a cable in which Colonel Zabolin discussed the possibility of setting "Gray" up as a secret agent in the postwar period. The cable disclosed that "Gray" was a geological engineer and was earning a \$4,200 salary in his present post.

Inspector Starts Probe

On a slip of paper Inspector Leopold jotted: "Geological engineer—salary \$4,200—probably branch chief in Department of Munitions and Supply." He pinned this to the second document, a page torn from a loose-leaf notebook. Handwritten in English, it outlined secret "Proceedings of the Ordnance Board." On the memo Leopold wrote: "Check for handwriting."

A RCMP plain-clothes investigator then waded through the files of the Ammunition Branch of the Department of Munitions and Supply. He found the original document, No. 31,719, in a secret folder of the Ordnance Board. The records showed that this document had been charged out to one Harold S. Gerson, a division chief. Gerson's signature matched the handwriting on the pages brought by Gouzenko from the Soviet Embassy.

Gerson was a native-born Canadian, of Russian parentage. He had been a successful geological engineer with numerous mining companies before the war. He was now chief of a division of the Department of Munitions and Supply, as Inspector Leopold had surmised. He was paid \$4,200 a year. **Didn't "Look The Part"**

When the investigators went to observe him they found a stocky, pipe-smoking man with curly brown hair, wearing metal-rimmed glasses. In appearance, he resembled a kindly faced university instructor. As in the case of the others in the ring, it was difficult to associate the pleasant, intelligent, self-assured personality of Gerson with the "Gray" whose record of conspiracy was outlined in the Embassy documents. He, like the others, was put under observation until such time as the signal was given to crack down.

The investigators went back to Colonel Zabolin's notebook and found the following:

Foster: Englishman. Assistant to the superintendent of the Division of Distributing War Production at the Ministry of Munitions and Supplies. He has been giving materials on war supplies. (Ours)

Gouzenko pointed out that "Ours means that 'Foster' is a Communist. In other words 'he belongs to us.'"

The man that the investigators found in the post noted by Zabolin was James Scotland Benning. He was a brother-in-law of Gerson and had been recommended for his job by the latter.

Telephone Entry Is Rued

Like the others, Benning was put under observation. Shortly afterward another interesting scrap of information came to light. One night Mounted Police plain-clothes men made a search of his desk. In an alphabetical list-finder they found this entry: "Fred 3-8605 4394." The numbers proved to be the telephone extensions of Fred Rose at his Ottawa apartment and his office in the House of Commons. This was an entry that Ben-

ning was to regret.

The investigators, as their work continued, were shocked to discover so many prominent men of high reputation involved in the plot. To those concerned with the safety of the state, the most sinister aspect of the entire network was that the Soviet agents were able to find intelligent and talented persons willing to betray their country.

This phase was so striking that Winston Churchill was moved to declare in the House of Commons: "Many countries seek information about the affairs of other countries—there is nothing in that—but the difference between the Soviet system and the others is that in the Communist sect it is a matter of religion to sacrifice one's native land for the sake of the Communist Utopia."

Up to this point the investigators had comparatively smooth sailing. They were able to identify and bring under surveillance each of the code names they delved into. Now they were leading into rougher and deeper waters.

Some Agents Never Located

For example, there were agents in Fred Rose's "Montreal Group" whose cover names began with "G." One worked in a tank plant, one was owner of a drugstore, one was a housewife married to a storekeeper. To this day they have never been located.

For three months the Mounted Police had explored the maze of clues relating to the spy ring and had uncovered an incredible amount of evidence. As it grew in volume Prime Minister Mackenzie King, with a weather eye to the stormy international scene, wondered how long he could continue to postpone action.

The first sign of trouble came during the first week of December 1945. Colonel Zabolin suddenly left Canada. He did not notify the authorities to whom he was accredited, and in New York the Soviet steamer Alexander Suvorov was kept at its dock until he scurried up the gangplank. The United States customs guards who saw him go aboard were the last people of record to have seen him alive. Later there was a rumor that he had died of "heart attack" shortly after his return to Moscow.

Ambassador Also Disappeared

A few days later Soviet Ambassador G. N. Zaroubin made the rounds of Canadian Government officials. He said he was returning to Moscow for routine consultations. It was not good-bye, only au revoir. But he never came back.

It was apparent that the Soviet officials were now aware of the use to which Gouzenko's documents were being put, and with the advent of 1946 it was becoming increasingly clear that events were approaching a climax. The Moscow Conference of Foreign Ministers had ended in a stalemate. On February 5, 1946, there was promulgated Order-in-Council No. 411, which placed the spy hunt in the hands of a Royal Commission of Inquiry headed by two Justices of the Supreme Court of Canada, the Honorable Mr. Justice Robert Taschereau and the Honorable Mr. Justice R. L. Kellock.

A Royal Commission, while it is in session, is a completely independent body. Its findings are subject neither to review nor appeal. Its function is to conduct the in-

vestigation and to report to the Governor in Council. Unlike a court, it is the sole judge of its own procedure. It may receive evidence of any kind in its discretion. In this respect it is sometimes in a better position to ascertain facts than a court, which is bound by rigid rules concerning the admissibility of evidence. But a commission cannot enforce its findings. If, as a result of its reports, prosecution is resorted to, well and good, but the courts alone possess the right to punish.

Secrecy Still Was Watchword

Secrecy was still the watchword, as the slightest leak might imperil the success of the whole operation. However, on the morning of February 14, the Counsel of the Royal Commission sent a courier to the Minister of Justice requesting the detention of a dozen of the persons whose activities the police investigators had traced. Although the facts of the arrests and the names of those arrested were to be kept secret, Prime Minister King realized that such widespread raids would not pass unnoticed. A public statement would be necessary.

To keep the record absolutely clear from the standpoint of protocol, the Prime Minister decided to have a talk with the Soviet Charge at Ottawa, Nicolai Belokhovostikov, who, in Ambassador Zaroubin's absence, had taken over the Embassy.

Here are King's own words for what transpired: "I said that I was going to state before Commons that an unnamed foreign power had been receiving information, but I wanted him to know that it was the U.S.S.R. to which I was referring. For my own part I was quite ready to pay a personal call upon Premier Stalin in order to get an explanation of these extraordinary events."

None Knew Of Surveillance

While they conferred, the Mounted Police were moving into position. Early in the morning on February 15 they struck, swooping down on McGill University, the University of Montreal, the University of Toronto, the Foreign Exchange Control Board and the National Research Council. None of those arrested that day was aware that he had been shadowed for months.

Before a rapt audience in the House of Commons, Prime Minister King gave only a bare outline of what was in progress. "This government has information of undoubted authenticity which established that there had been disclosures of secret information to unauthorized persons, including some members of a staff of a foreign mission in Canada."

Across the Atlantic, in London Col. Leonard Burt of the Special Branch of Scotland Yard decided to have a talk with Dr. Alan Nunn May, the "Alek" of the data.

"Are you aware, Dr. May, that there has been a leakage of information from Canada relating to atomic energy?" Colonel Burt questioned.

Dr. May looked at him steadily. "That is the first I have heard of it," he said quietly.

"Do you realize that we know that you had an appointment with someone in London in that connection and that you failed to keep it?"

Dr. May did not answer.

Colonel Burt and Scotland Yard were not in a hurry to make an arrest, as it was still hoped that he would lead them to a second spy. Therefore, no action was taken at the time.

Police Work Feverishly

In Ottawa the smooth efficiency of the Mounted Police concealed feverish activity. Much remained to be done. In the words of the Royal Commission: "The extent of the ramifications of the espionage organization and the identity of all its agents were not known on February 14. There were a number of agents designated in the Embassy records by cover names only, whom Gouzenko could not identify. It was of the utmost importance that the identity of as many agents as possible should be discovered, together with the method by which each functioned."

The most important phase of the questioning that went on day and night at Rockcliffe dealt with the motives of the suspected agents. Time and again the investi-

gators sought to discover the "why" behind the case.

Motives Were Significant

Most of the suspects were persons with an unusually high degree of education, and of marked ability and intelligence. Their motives, as laid bare in the course of the inquiry, are significant, not only to Canada but to the world.

There was no evidence that money played an important part. The evidence was overwhelming that the original motivation was a product of political ideology plus a program of psychological conditioning in "study groups," or Communist cells. The Royal Commission found that "in the great majority of cases the motivation was inextricably linked with the courses of psychological development carried on by that secret section of what is ostensibly a Canadian political movement—the Labour Progressive Party (Communist Party of Canada). These secret 'development' courses are much more widespread than the espionage network itself.

"It seems to be the general policy of the Communist Party to discourage certain selected sympathizers from joining the Party openly. Instead these sympathizers are invited to join secret cells or study groups. The categories of the population from which secret members were recruited include students, scientific workers, teachers, office and business workers, persons engaged in any type of administrative activity, and any group likely to obtain government employment.

"The object is to accustom young persons gradually to an atmosphere and ethic of conspiracy. The general effect on the young man or woman of secret meetings, secret acquaintances and secret objectives and plans can easily be imagined. The technique seems calculated to develop the psychology of a double life and double standards."

Only in view of the foregoing can the real significance of the spy ring and its meaning be appreciated. Otherwise the sudden emergence of gifted intellectuals trafficking in state secrets does not make sense.

Confronted With Documents

The behavior of Harold S. Gerson, the pipe-smoking professor, was typical of the group reaction to interrogation. He was confronted with the documents in his own handwriting which had been taken from the Soviet files. We have the testimony of Inspector Harvison for what happened.

"I asked Mr. Gerson if he recognized the handwriting and he said it looked very much like his. I asked him if he ever made notes from documents, if it was part of his duty to make notes. He said that it was difficult to define his actual duties, but that he had made notes.

"I then told Mr. Gerson that I was suspending the interrogation for 24 hours and that during that time I would like him to consider if, as a Canadian citizen, he was willing to assist his government by supplying any information in his possession regarding Soviet espionage.

Decision Found Difficult

"The following day I asked Mr. Gerson if he had made any decision. He said that there were a number of personal problems connected with the decision, that he found it extremely difficult, and asked if I could give him until the following Saturday noon to arrive at a decision.

"On the Saturday noon he said that he had made his decision. He realized that the picture ahead was very dark for him, that he had made mistakes. But he would not be able to live with himself if he gave the information that so-and-so had done such-and-such—if he put his finger on this man and that man."

In the next and final chapter of "The Soviet Spies" The Canadian Royal Commission of Inquiry releases its findings in its inquiry into the activities of the Russian espionage ring and Dr. Alan Nunn May issues a remarkable statement in his own defense is

Vacation Pre-pay Procedure Explained

(Continued From Page 1)

Provided all days of vacation to be taken are marked on the employee's Time Distribution Card, Form WCX-280, by Monday of the week preceding the date on which the vacation begins. If the vacation period overlaps and extends into the next month, the immediate supervisor should so indicate by notation on the current Time Distribution Card.

(d). Vacation payments in advance for exempt salaried employees will be made by the Paymaster, providing all days of vacation to be taken are marked by the Monthly Time Card, Form WCX-14, it is signed by the immediate supervisor and is presented to the Payroll Department by 10:00 A.M. on the last day worked before the vacation begins. If the vacation period overlaps and extends into the next month, the immediate supervisor should so indicate by notation on the current Monthly Time Card.

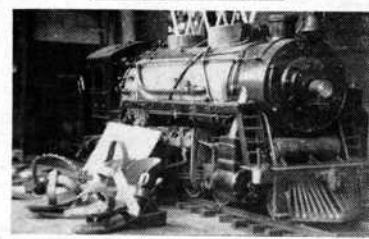
(e). The immediate supervisor will report to his department or divisional absentee control office all employees under his supervision who are on vacation.

Scheduled vacations may not be rescheduled unless approved by the superintendent of the division concerned.

Dr. Curme Named Carbide Official

(Continued From Page 1)

Club, New York. He attended Northwestern University, took a year of graduate study at Harvard University, and a doctorate at the University of Chicago. He then went abroad to study with Fritz Haber, discoverer of the synthetic ammonia process at the Kaiser Wilhelm Institute. He also studied with Emil Fischer, a co-discoverer of the Fischer-Tropsch synthetic chemical process at the University of Berlin. At the outbreak of World War I, Dr. Curme returned to the U. S. to begin his work at Mellon Institute.



THIS SCALE MODEL of a Southern Railway locomotive was built by a retired employee of the railroad in seven years. James Bledsoe, Dept. H12E, snapped this picture through the display window of a shoe store on a recent trip to Appalachia, Va. Notice the shoes on display by the side of the model.

Additions To Y-12 Technical Library

MATHEMATICS

QA 37 — Courant & Robbins, "What is Mathematics"? N. Y., Oxford University Press, 1947. 521 pages.

QA 300 — Likes & Harvey, "First year Qualitative Analysis". N. Y., Crowell Company, 1947. 134 pages.

QA 445 — Shively, Levi S., "An Introduction to Modern Geometry". N. Y., Wiley & Sons, 1939. 167 pages.

CHEMISTRY

QD 33 — Deming, Horace G., "Fundamental Chemistry". 2nd edition. N. Y., Wiley & Sons, 1947. 745 pages.

QD 111 — Kolthoff & Stenger, "Volumetric Analysis — Titration Methods". Vol. II, 2nd edition. N. Y., Interscience, 1947. 374 pages.

QD 181.R2-Ref. — Gatterer & Junker, "Spektren der Seltenen Erden — Text & Wellenlängen und Tafeln". Specola Vaticana, 1945. 347 pages.

quickly blasted by Mr. Justice Oliver of the Royal Commission. Chapter Six is thrilling reading right up to the last word—so don't miss it in next week's edition of The Y-12 Bulletin.